

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/644,277A  
Source: IFW/6  
Date Processed by STIC: 06/29/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw

```

4 <110> APPLICANT: Gudas, Jean M.
5      Haak-Frendscho, Mary
6      Foord, Orit
7      Liang, Meina L.
8      Ahluwalia, Kiran
9      Bhakta, Sunil
11 <120> TITLE OF INVENTION: ANTIBODIES DIRECTED TO MONOCYTE
12      CHEMO-ATTRACTANT PROTEIN-1 (MCP-1) AND USES THEREOF
15 <130> FILE REFERENCE: ABXAZ.001A
17 <140> CURRENT APPLICATION NUMBER: 10/644,277A
18 <141> CURRENT FILING DATE: 2003-08-19
20 <150> PRIOR APPLICATION NUMBER: 60/404,802
21 <151> PRIOR FILING DATE: 2002-08-19
23 <160> NUMBER OF SEQ ID NOS: 150
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1335
29 <212> TYPE: DNA
30 <213> ORGANISM: Homosapien
32 <400> SEQUENCE: 1
33 caggtccagc tggtagcagc tggggctgag gtgaagaagc ctggggcctc agtgaaggtc 60
34 tcctgcaagg tttccggata caccctcact gaattatcca tgcactgggt gcgacaggct 120
35 cctggaaatg ggcttgagtg gatgggaggt tttgatcctg aagatggtga gacaatctac 180
36 gcacagaggt tccagggcag agtcgtcatg accgaggacc catctacaga cacagcctac 240
37 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc aaccaacgag 300
38 ttttggagtg gttattttga ctactggggc cagggaaccc tggtcaccgt ctccctcagcc 360
39 tccaccaagg gcccacggtt cttccccctg gcgccttgct ccaggagcac ctccgagagc 420
40 acagcggccc tgggctgcct ggtcaaggac tacttccccg aaccgggtgac ggtgtcgtgg 480
41 aactcaggcg ctctgaccag cggcgtgcac accttcccag ctgtcctaca gtcctcagga 540
42 ctctactccc tcagcagcgt ggtgaccgtg ccctccagca acttcggcac ccagacctac 600
43 acctgcaacg tagatcacia gccagcaaac accaagggtg acaagacagt tgagcgcaaa 660
44 tgttgtgtcg agtgcccacc gtgcccagca ccacctgtgg caggaccgtc agtcttcttc 720
45 tttcccccaa aaccaagga caccctcatg atctcccgga ccctgaggt cagctgcgtg 780
46 gtggtggacg tgagccacga agaccccag gtccagttca actggtacgt ggacggcgtg 840
47 gaggtgcata atgccaagac aaagccacgg gagggagcagt tcaacagcac gttccgtgtg 900
48 gtcagcgtcc tcaccgttgt gcaccaggac tgggtgaacg gcaaggagta caagtgaag 960
49 gtctccaaca aaggcctccc agcccccatc gagaaaacca tctccaaaac caaagggcag 1020
50 ccccgagaac cacagggtga caccctgccc ccatcccggg aggagatgac caagaaccag 1080
51 gtcagcctga cctgcctggt caaaggcttc taccacagcg acatcgccgt ggagtgggag 1140
52 agcaatgggc agccggagaa caactacaag accacacctc ccatgctgga ctccgacggc 1200
53 tccttcttcc tctacagcaa gctcaccgtg gacaagagca ggtggcagca ggggaacgtc 1260
54 ttctcatgct cgtgatgca tgaggctctg cacaaccact acacgcagaa gagcctctcc 1320
55 ctgtctccgg gtaaa

```

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw

```

57 <210> SEQ ID NO: 2
58 <211> LENGTH: 445
59 <212> TYPE: PRT
60 <213> ORGANISM: Homosapien
62 <400> SEQUENCE: 2
63 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
64 1 5 10 15
65 Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu
66 20 25 30
67 Ser Met His Trp Val Arg Gln Ala Pro Gly Asn Gly Leu Glu Trp Met
68 35 40 45
69 Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Arg Phe
70 50 55 60
71 Gln Gly Arg Val Val Met Thr Glu Asp Pro Ser Thr Asp Thr Ala Tyr
72 65 70 75 80
73 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
74 85 90 95
75 Ala Thr Asn Glu Phe Trp Ser Gly Tyr Phe Asp Tyr Trp Gly Gln Gly
76 100 105 110
77 Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
78 115 120 125
79 Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu
80 130 135 140
81 Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
82 145 150 155 160
83 Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
84 165 170 175
85 Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
86 180 185 190
87 Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn Val Asp His Lys Pro
88 195 200 205
89 Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys Val Glu
90 210 215 220
91 Cys Pro Pro Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu
92 225 230 235 240
93 Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
94 245 250 255
95 Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln
96 260 265 270
97 Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
98 275 280 285
99 Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu
100 290 295 300
101 Thr Val Val His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
102 305 310 315 320
103 Val Ser Asn Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
104 325 330 335
105 Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
106 340 345 350

```

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw

```

107 Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
108      355      360      365
109 Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
110      370      375      380
111 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly
112 385      390      395      400
113 Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
114      405      410      415
115 Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
116      420      425      430
117 His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
118      435      440      445
121 <210> SEQ ID NO: 3
122 <211> LENGTH: 660
123 <212> TYPE: DNA
124 <213> ORGANISM: Homosapien
126 <400> SEQUENCE: 3
127 gacatcgtga tgaccagtc tccagactcc ctggctatgt ctctgggcga gagggccacc 60
128 atcaactgta agtccagcca gagtgtttta tacagctcca acaataagaa ctacttagtt 120
129 tggtagcagg agaaaccagg acagcctcct aaactgctca tttactgggc atctatccgg 180
130 gaatccgggg tccctgaccg attcagttcc agcgggtctg agacagattt cactctcacc 240
131 atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttttagtagt 300
132 ccgtggacgt tcggccaagg gaccaaggtg gaaatcaaac gaactgtggc tgcaccatct 360
133 gtcttcatct tcccgccatc tgatgagcag ttgaaatctg gaactgcctc tgttgtgtgc 420
134 ctgctgaata acttctatcc cagagaggcc aaagtacagt ggaagggtgga taacgccctc 480
135 caatcgggta actcccagga gagtgtcaca gagcaggaca gcaaggacag cacctacagc 540
136 ctacagcagc ccctgacgct gagcaaagca gactacgaga aacacaaagt ctacgcctgc 600
137 gaagtcaccc atcagggcct gagctcgccc gtcacaaaga gcttcaacag gggagagtgt 660
140 <210> SEQ ID NO: 4
141 <211> LENGTH: 220
142 <212> TYPE: PRT
143 <213> ORGANISM: Homosapien
145 <400> SEQUENCE: 4
146 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Met Ser Leu Gly
147 1      5      10      15
148 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
149      20      25      30
150 Ser Asn Asn Lys Asn Tyr Leu Val Trp Tyr Gln Gln Lys Pro Gly Gln
151      35      40      45
152 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Ile Arg Glu Ser Gly Val
153      50      55      60
154 Pro Asp Arg Phe Ser Ser Gly Ser Glu Thr Asp Phe Thr Leu Thr
155 65      70      75      80
156 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
157      85      90      95
158 Tyr Phe Ser Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
159      100     105     110
160 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
161      115     120     125

```

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw

```

162 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
163      130                      135                      140
164 Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
165 145                      150                      155                      160
166 Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
167                      165                      170                      175
168 Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
169                      180                      185                      190
170 Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
171      195                      200                      205
172 Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
173      210                      215                      220
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 475
178 <212> TYPE: DNA
179 <213> ORGANISM: Homosapien
181 <400> SEQUENCE: 5
182 cagggtccagc tggtagagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggct 60
183 tccgtgcaagg ttcccgata caccctcact gaattatcca tgcactgggt gcgacaggct 120
184 cctggaaaag ggcttgagtg gatgggaggt ttgatcctg aagatgggtg aacaatctac 180
185 gcacagaagt tccagggcag agtcaccatg accgaggaca catctacaga cacagcctac 240
186 atggagctga gcagcctgag atctgaggac acggccgtgt attattgtgc aaccaacgaa 300
187 ttttgagtg gttattttga ctactggggc caggaaccc tggtcaccgt ctccctcagcc 360
188 tccaccaagg gcccatcggt ctccccctg gcgccctgct ccaggagcac tacttcccc 420
189 ggcgtagcaca ccttcccagc tgtcctacag tctcaggac tctactccct cagca 475
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 158
193 <212> TYPE: PRT
194 <213> ORGANISM: Homosapien
196 <400> SEQUENCE: 6
197 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
198 1      5      10      15
199 Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu
200      20      25      30
201 Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met
202      35      40      45
203 Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe
204      50      55      60
205 Gln Gly Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr
206 65      70      75      80
207 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
208      85      90      95
209 Ala Thr Asn Glu Phe Trp Ser Gly Tyr Phe Asp Tyr Trp Gly Gln Gly
210      100     105     110
211 Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
212      115     120     125
213 Pro Leu Ala Pro Cys Ser Arg Ser Thr Thr Ser Pro Gly Val His Thr
214      130     135     140
215 Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser

```

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw

```

216 145                      150                      155
219 <210> SEQ ID NO: 7
220 <211> LENGTH: 477
221 <212> TYPE: DNA
222 <213> ORGANISM: Homosapien
224 <400> SEQUENCE: 7
225 gacatcgtga tgacccagtc tccagcctcc ctggctgagt ctctgggcca gagggccacc 60
226 atcaattgca agtccagcca gagtggttta tatagctcca acaataagaa ctacttagtt 120
227 tgggtaccagc agaaactagg acagccccct aagctgctca tttactgggc atctaccagg 180
228 gaatccggggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
229 atcagcagcc tgcaggctga agatgtggca gtttattact gtcaacaata ttatcgtagt 300
230 ccgtggacgt tcggccaagg gaccaagggtg gaaatcaaac gaactgtggc tgcaccatct 360
231 gtcttcatct tcccgccatc tgatgagcag ttgaaatctg gaactgcctc tgttgtgtgc 420
232 ctgctgaata acttctatcc cagagaggcc aaagtacagt ggaaggtgga taacgcc 477
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 159
236 <212> TYPE: PRT
237 <213> ORGANISM: Homosapien
239 <400> SEQUENCE: 8
240 Asp Ile Val Met Thr Gln Ser Pro Ala Ser Leu Ala Glu Ser Leu Gly
241 1 5 10 15
242 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
243 20 25 30
244 Ser Asn Asn Lys Asn Tyr Leu Val Trp Tyr Gln Gln Lys Leu Gly Gln
245 35 40 45
246 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
247 50 55 60
248 Pro Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
249 65 70 75 80
250 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
251 85 90 95
252 Tyr Tyr Arg Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
253 100 105 110
254 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
255 115 120 125
256 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
257 130 135 140
258 Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala
259 145 150 155
262 <210> SEQ ID NO: 9
263 <211> LENGTH: 556
264 <212> TYPE: PRT
265 <213> ORGANISM: Homosapien
267 <400> SEQUENCE: 9
268 Cys Ala Gly Gly Thr Cys Cys Ala Gly Cys Thr Gly Gly Thr Ala Cys
269 1 5 10 15
270 Ala Gly Thr Cys Thr Gly Gly Gly Gly Cys Thr Gly Ala Gly Thr
271 20 25 30
272 Gly Ala Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Gly Gly Cys Cys

```

**VERIFICATION SUMMARY**

DATE: 06/29/2006

PATENT APPLICATION: US/10/644,277A

TIME: 11:22:15

Input Set : A:\ABXAZ.001A.TXT

Output Set: N:\CRF4\06292006\J644277A.raw